

## **MAGNETIC MEMORY WHICH COMPARES COMPRESSED FAULT MAPS**

### **Abstract of the Disclosure**

5           A magnetic memory which in some embodiments compares compressed  
fault maps is disclosed. In one embodiment, the magnetic memory may include  
at least two magnetic memory cells which are configured to store data. The  
magnetic memory includes a control system configured to periodically obtain  
parametric values from the magnetic memory cells and generate a corresponding  
10 compressed fault map using the parametric values. In some embodiments, at  
least one of the compressed fault maps is compared to a previous one of the  
compressed fault maps, and an indication is provided if there are differences.